EN

COMPONENTS AND ACCESSORIES STRATOS PRO - (PIC. A)

1. Compressor housing
2. ON/OFF switch
3. Power cord
4. Air outlet
5. Filter holder
6. Nebulizer holder
7. Air vent openings
8. Handle

STANDARD ACCESSORIES

9. Carrying Case
10. Nebulizer with inhalation/exhalation valves
11. Mouthpiece
12. Air tube
13. 5 spare filters

⚠ **WARNING: Remove the compressor from carrying case before use!**

⚠ IMPORTANT:

Read these instructions carefully before using this device.

⚠ SAVE THESE INSTRUCTIONS

⚠ SAFETY INFORMATION

1. **Only use the device for its intended purpose as described in this instruction manual, therefore as a compressor nebulizer system for aerosoltherapy, following the indications of your doctor.** Improper use is dangerous. The manufacturer cannot be held liable for any damage caused by improper, incorrect or unreasonable use, or if the unit is connected to electrical installations which do not comply with safety regulations.
2. Keep this manual for future reference.
3. Do not operate the unit in the presence of any anaesthetic, inflammable mixtures or oxygen.
4. The correct device operating can be affected by electromagnetic interference which exceeds the limits indicated by the European standards in force. The device is in compliance EMC standard currently in force. In the event, should the device interfere with other electrical equipment, move it and connect to a different electrical socket.
5. In case of failure and/or malfunction, read the "TROUBLESHOOTING" section. Do not handle nor open the compressor housing.
6. Any repairs must be carried out by an authorized dealer using only original spare parts. Safety of the device can be compromised in case the above mentioned indications are not met.
7. When using any electrical appliance certain important safety measures must always be observed, including the following:
   - use only original accessories and components;
   - never submerge the unit in water;
   - the device is not protected against water penetration;
   - never touch the unit when your hands are wet or moist;
   - do not leave the unit outdoor;
   - the unit, when operating, must be placed on a stable and horizontal surface;
   - make sure the air vent openings are not obstructed (pic. A/7);
   - do not allow unsupervised children or infirm persons to use the unit;
   - do not disconnect the unit by simply pulling out the plug from the wall socket.
8. Make sure that the electrical rating shown on the rating plate on the bottom of the unit corresponds to your main voltage and frequency before plugging in the device.
9. If the power plug provided with the device does not fit your wall socket, have

the plug changed by an electrical appliance dealer. Do not use any adapter, simple or multiple, and/or extension cable. In case their use is necessary, make sure they are in compliance with safety standards, paying attention they do not exceed the maximum load.

10. Do not leave the unit plugged when not in use: unplug the device from the wall socket when not operating.
11. Follow the manufacturer's instructions for installing the device. The manufacturer cannot be held responsible for any damage caused to persons, animals or things by incorrect installation.
12. The power supply cord cannot be replaced by the user. In case the power supply cord becomes damaged, address to the technical servicing authorized by the manufacturer for replacement.
13. The power supply cord should always be fully unwound in order to prevent dangerous overheating.
14. Before performing any maintenance or cleaning operation, disconnect the device from the main supply, by unplugging it or by turning the main supply switch off.
15. Some parts of the unit are so small that they could be swallowed by children. Do not let unattended children have access to the unit.
16. If you decide not to use the device any longer, it is recommended to dispose of it according to the regulations in force.
17. Remember to:
    - use this device only with medications prescribed by your doctor;
    - make the treatment only using the accessory recommended by your doctor for the therapy;
18. Verify that the medications prescribed by your doctor can be used with common compressor nebulizer systems for aerosoltherapy.

DEVICE SAFETY SYSTEMS

THERMAL PROTECTOR

The inhalation device is provided with a temperature protection device which is released when the device is overheating switching the unit off.

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INSTRUCTIONS FOR USE

⚠ **ATTENTION: Remove the compressor from carrying case before use.**

Check the unit before each use, in order to check for possible function anomalies and/or damages due to transport and/or storage When inhaling, sit upright and relaxed at a table and not in armchair as otherwise you will constrict your respiratory passages and impair the effect of inhalation.

1. As soon as you have unpacked the device, check it for visible damages or defects. In particular, check for cracks in the plastic housing, which could expose electrical components.
2. Check for accessories integrity.
3. **Before using the device**, proceed with the cleaning operations as described in the "CLEANING AND DISINFECTION OF THE ACCESSORIES" section.
4. Open the nebulizer by turning the top in an anticlockwise direction (pic. D). On the top, an arrow, together with "CLOSE" sign, suggest how to close the nebulizer
5. Make sure the micronization cone is properly fitted onto the air conduction cone inside the nebulizer (pic. E)
6. Put the quantity of medication into the nebulizer chamber (see pic. F) as prescribed or suggested by your doctor. The graduated scale can be useful to control the correct medication quantity.
7. Close the nebulizer by turning the two parts clockwise, paying attention that they are thoroughly sealed.
8. Connect one end of the air tube to the nebulizer (pic. G), and the other end to the air outlet on the device (pic. A/4).
9. Connect the mouthpiece onto the nebulizer (pic. A/11).
10. If you need to use the mask (optional), connect it directly onto the nebulizer (pic. I).
11. Plug the device into the wall socket, making sure the electrical rating shown on the rating plate on the bottom of the unit corresponds to your main voltage.
12. To start the treatment, switch the device on by pressing the ON/OFF switch (pic. A/2) onto the "**I**" position.
13. Inhale the aerosol solution using the prescribed accessory.
14. When the treatment has been completed, switch the unit off by setting the

switch position "**O**" and disconnect the plug from the wall socket.

15. Wash the nebulizer and accessories as described in the "CLEANING AND DISINFECTION OF THE ACCESSORIES" section.

INHALATION ACCESSORIES

The Stratos Pro is compatible with most major brands of nebulizer.
Nebulization rate and Particle size performance will depend on the nebulizer used.
For use with the supplied Medjet Pro nebulizer please refer to these additional instructions:

HOW TO USE THE MOUTH PIECE (see pic. A/11)

A. Make sure the inhalation valve (see pic. B/16) and the exhalation valve (see pic. C/17) are correctly positioned into their seats.
B. Insert the mouth piece into the nebulizer top (see pic. H).
C. Close your lips around the mouth piece and start treatment as recommended by your doctor.

HOW TO USE THE MASK (optional) (see pic. I)

A. Remove the inhalation valve (pic. B/16).
B. Connect the mask directly onto the nebulizer (pic. I).
C. Place the mask onto your face and start treatment as recommended by your doctor.

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CLEANING AND MAINTENANCE

CLEANING OF THE MAIN UNIT

Use a clean dry cloth and mild detergents for cleaning the unit.

⚠ **ATTENTION: during cleaning operations, make sure the internal parts of the unit are not in contact with liquids and the power cord is not connected.**

CLEANING AND DISINFECTION OF THE ACCESSORIES

After each treatment:

The nebulizer, mouthpiece and nosepiece (optional) must be disinfected by boiling with water (max. 10 minutes) or in autoclave (max. 121°C). We suggest you disinfect the mask (optional) using cold disinfecting liquids (solutions with hypochlorite). Dry the nebulizer using a clean cloth; after connect it to the air outlet (pic. A/4), switch the device on and let it work freely for 10-15 minutes.

⚠ **Do not boil nor autoclave the air tube and the mask (optional).**

Following carefully the cleaning and disinfecting instructions is very important for the product performance and for a successful therapy.

REPLACEMENT OF THE NEBULIZER

The nebulizer must be replaced after a long period of inactivity, or when it is obstructed by dry medication, dust, etc.
Your nebulizer should last from 6 months to 1 year with general use.

⚠ **Use original nebulizers only.**

REPLACEMENT OF THE FILTER

The filter must be replaced approximately after 30 hours of use, or when it turns dirty; open the filter holder (pic. A/5) to replace the filter (pic. A/8) with a new one. Use original filters only.

⚠ **Do not use the device without filter.**

TROUBLESHOOTING

The device does not switch on:

1. Make sure the plug is firmly fitted to the wall socket;
2. The thermal protector might have been released. The thermal protector may be released for the following reasons:
   - the device has been operating for a too long time;
   - the device was used near heaters or in hot environments;
   - the air vent openings are obstructed and do not allow for the motor ventilation.

   In this case, set the ON/OFF switch to "**O**" and let it rest for at least 60 minutes.

The device does not nebulize, or it nebulizes very weakly:

1. Make sure that the ends of the air tube are fitted tightly onto the main unit and onto the nebulizer;
2. Check whether the nebulizer is empty from medication or full of an excessive medication quantity (MAX. 15 ml);
3. Check whether the nebulizer nozzle is obstructed;
4. Check whether the air conduction cone is inserted (pic. E).

Should the device not start working properly again, address to an authorized technical service centre or to your dealer.

MAINTENANCE AND REPAIRS

In case of failure, address to your dealer. **Never open the device.** There are no user-serviceable parts within. The compressor requires no lubrication or maintenance.

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TECHNICAL SPECIFICATIONS

Model:	STRATOS PRO
Electricity supply:	see rating label on the device bottom
Nebulization rate:	approx.0,55 ml/min (NaCl 0,9%)
Particle Size:	MMAD 1,8 µm (NaCl 0,9%) – API AEROSIZER
	MMD 4,17 µm – MALVERN SPRAYTEC
Noise Level:	58 dBA
Compressor max. pressure:	240 kPa (2,40 bar)
Weight:	1,70 kg
Size:	172mm x 101 mm x 173 mm

Class II Device (reference to protection against electric shocks).
Type B Applied Part.
Device not protected against sprinkles.
Device not suitable for use in presence of anaesthetic substances inflammable with air, oxygen or nitrogen protoxide.
Device for continuous use.
Device not suitable for use in anaesthesia or lung ventilation systems.

Technical modifications reserved!

Reference to Standards:	Electric Safety Standards CEI EN 60601.1
	Electromagnetic Compatibility according to
	CEI EN 60601.1.2
	Class IIa Medical Device according to
	93/42/EEC "Medical Device" Directive.

AMBIENT CONDITIONS

Shipping and Storage Condition

Temperature: MIN -25°C-MAX 70°C
Humidity: MIN 10%RH-MAX 95%RH
Atmospheric Pressure: 700hPa-1060hPa

Operating Conditions

Temperature: MIN 10°C-MAX 40°C
Humidity: MIN 10%RH-MAX 95%RH
Atmospheric Pressure: 700hPa-1060hPa

EN

DEVICE SYMBOLS

I ON

O OFF

~ Alternating Current

Type B

Class II

Separate collection

ATTENTION: Read carefully the instructions

CE 0123 Manufacturer (93/42/CEE): MEDEL S.p.A., Via Micheli 7/9, S.Polo di Torrile (PR) Italy

This device fulfils the provisions of 93/42/EEC Directive.

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WARRANTY INFORMATION

For warranty information contact customer service at one of the following locations:

United Kingdom & Ireland: Invacare Ltd, South Road,
Bridgend Industrial Estate, UK-Bridgend CF31 3PY
Tel: (44) (0)1656 664 321, Fax: (44) (0)1656 667 532
UK@invacare.com

Ireland: Invacare Ireland Ltd,
Unit 5 Seatown Business Campus, Seatown Road, Swords, County Dublin - Ireland
Tel: (353) 1 810 7084, fax: (353) 1 810 7085
eire@invacare.com